

Rev'd 9/6/2006

Sheet 1 of 1

Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 13681-003002	Application No. 10/053,535
	Applicant Choi et al.		
	Filing Date January 15, 2002	Group Art Unit 1616	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	A1						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	B1							

Other Documents (Include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
FC	C1	Favory et al., "Myocardial Dysfunction and Potential Cardiac Hypoxia in Rats Induced by Carbon Monoxide Inhalation," Am. J. Respir. Crit. Care Med. 174:320-25 (2006)
	C2	

Examiner Signature /Frank Choi/	Date Considered 11/27/2006
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Substitute Form PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
13681-003002Application No.  
10/053,535**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

Applicant  
Choi et al.Filing Date  
January 15, 2002Group Art Unit  
1616**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
FC	AA	4,053,590	10/11/1977	Bonsen et al.			
	AB	5,084,380	01/28/1992	Carney			
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	AG	US 2003/0009127 A1	01/09/2003	Trescony et al.			
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	AK	US 2005/0048133 A1	03/03/2005	Pinsky et al.			
FC	AL	US 2005/0250688 A1	11/10/2005	Pinsky et al.			

**Foreign Patent Documents or Published Foreign Patent Applications**

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							Yes	No
FC	AM	2 816 212	05/10/2002	France			X	
FC	AN	WO 94/22482	10/13/1994	WIPO				
FC	AO	WO 99/47512	09/23/1999	WIPO				
FC	AP	WO 99/49880	10/07/1999	WIPO				
FC	AQ	WO 02/092075	11/21/2002	WIPO				

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Examiner Initial	Desig. ID	Document
FC	AR	"Carbon Monoxide Poisoning – Symptoms," <a href="http://my.webmd.com/hw/home_health/aa7304.asp">http://my.webmd.com/hw/home_health/aa7304.asp</a> , 1 page, retrieved July 11, 2005
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FC	AT	Choi, "Heme Oxygenase-1 Protects the Heart," Circulation Research 89:105-7 (2001)
FC	AU	Clayton et al., "Inhaled carbon monoxide and hyperoxic lung injury in rats," Am. J. Physiol. Lung Cell Mol. Physiol. 281:L949-57 (2001)

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FC	AV	"Colorectal Cancer Treatment: an Overview," American Cancer Society, <a href="http://www.cancer.org">http://www.cancer.org</a> , 2 pages (2000)
	AW	Farrugia et al., "Heme oxygenase, carbon monoxide, and interstitial cells of Cajal," Microscopy Res. and Technique 47:321-324 (1999)
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	ALL	Suganuma et al., "A new process of cancer prevention mediated through inhibition of tumor necrosis factor alpha expression," Cancer Res. 56(16):3711-5 (1996)
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	C7	Brouard et al., "Molecular mechanism underlying the anti-apoptotic effect of Heme oxygenase-1 derived carbon monoxide," Xenotransplantation, 8(Suppl 1): p22 (2001).
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FC	C15	Dyck et al., "Carbon Monoxide (CO) Attenuates Lipopolysaccharide (LPS)-Induced Cytokine Expression of IL-6," Acta Haematologica 103(Suppl 1):64, (2000), Abstract.
	C16	Günther et al., "Carbon monoxide protects pancreatic beta-cells from apoptosis and improves islet function/survival after transplantation," Diabetes, 51(4):994-999, (2002).
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	C30	Otterbein et al., "Carbon Monoxide Inhibits TNF $\alpha$ -Induced Apoptosis and Cell Growth in Mouse Fibroblasts," American Journal of Respiratory and Critical Care Medicine 159(3 Suppl.):A285 (1999).
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	C49	Seyfried et al., "HO-1 induction protects mice from Immune-mediated liver injury," <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> 367:R80 (2003).
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FC	C53	Soares et al., "Heme Oxygenase-1 and/or Carbon Monoxide can Promote Organ Graft Survival," in <i>Disease Markers in Exhaled Breath</i> , Marczin and Yacoub, eds., IOS Press, 346:267-273, (2002).
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	C56	Song et al., "Regulation of IL-1beta-induced GM-CSF production in human airway smooth muscle cells by carbon monoxide," <i>Am. J. Physiol. Lung Cell. Mol. Physiol.</i> , 284(1):L50-L56, (2003).
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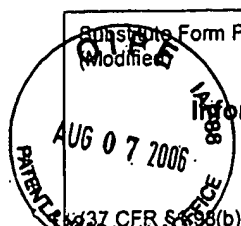
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FC	C2	Dolinay et al., "Can Inhalation Carbon Monoxide be utilized as a therapeutic modality in human diseases?", pp. 203-236 in <i>Breath Analysis for Clinical Diagnosis and Therapeutic Monitoring</i> , Amann and Smith, eds., World Scientific Publishing Company (2004)
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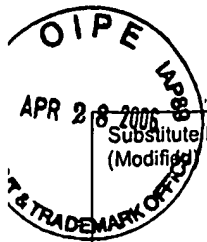
**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
FC	AQ	Otterbein, "Carbon monoxide: innovative anti-inflammatory properties of an age-old gas molecule," Antioxid. Redox Signal., 4:309-319 (2002)
	AR	
	AS	
	AT	

Examiner Signature /Frank Choi/	Date Considered 11/27/2006
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 13681-003002	Application No. 10/053,535
Information Disclosure Statement by Applicant (Use several sheets if necessary)  (37 CFR §1.98(b))		Applicant Choi et al.	
		Filing Date January 15, 2002	Group Art Unit 1616

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
FC	AA	5,293,875	03/15/1994	Stone			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AB							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
FC	AC	Sato et al., "Carbon monoxide can fully substitute Heme Oxygenase-1 in suppressing the rejection of mouse to rat cardiac transplants," <i>Acta Haematologica</i> , 103(Suppl. 1):87, Abstract 348 (2000)
FC	AD	Sato et al., "Heme Oxygenase-1 or Carbon Monoxide Prevents the Inflammatory Response Associated with Xenograft Rejection," <i>Acta Haematologica</i> , 103(Suppl. 1):87, Abstract 345 (2000)
FC	AE	Toda et al., "Exogenous Carbon Monoxide Protects Endothelial Cells Against Oxidant Stress and Improves Graft Function After Lung Transplantation," <i>Circulation</i> , 98(17 Suppl.):I265, Abstract 1381 (1998)

Examiner Signature  /Frank Choi/	Date Considered  11/27/2006
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